

IN THE CLAIMS

Please amend Claims 1, 6 and 11, as follows:

1 *PL* 1. (Amended) A plug, comprising:

2 a first base bearing a keyway providing a first electrical conductor and an orifice
3 spaced-apart from and separated by a mass of said plug from said keyway;

4 a second base separated by an axial length of said plug from said first base, said
5 second base bearing means for supporting a cam, said mass being perforated by a plurality of radially
6 oriented apertures forming a linear arrays;

7 an exterior surface extending between and engaging said first base and said second
8 base;

9 locking means [responsive] disposed within said apertures to reciprocate relative to
10 said plug in response to a key inserted into said keyway to accommodate rotation of said plug
11 relative to a cylinder surrounding said plug when the key while inserted into said keyway engages
12 in a selected relation with said locking means and engaging the cylinder absent said selected relation;

13 a second electrical conductor terminating with an electrical contact exposed to an
14 exterior of said first base through said [aperture] orifice;

15 an electronic logic circuit borne by said plug while coupled to receive electrical power
16 and data signals via said first and second electrical conductors, and generating control signals in
17 dependence upon said electrical power and data signals; and

18 an electrical operator disposed within one of said apertures, said operator having a

distal member travelling in dependence upon said control signals between a first position relative to said exterior surface enabling rotation of said plug in relation to a cylinder surrounding said plug and a second and different position relative to said exterior surface obstructing said rotation of said plug in relation to the cylinder.

6. (Amended) A lock, comprising:

a cylinder containing a hollow recess defining a longitudinal axis;

a plug bearing a plurality of open radially oriented apertures forming a linear array.

said plug being rotatable around said longitudinal axis while resident within said hollow recess, said

plug comprising:

a first base bearing a keyway providing a first electrical conductor and an orifice spaced-apart from and separated by a mass of said plug from said keyway;

a second base separated by an axial length of said plug from said first base,

said second base bearing means for supporting a cam;

an exterior surface extending between and engaging said first base and said

second base: /

locking means [responsive] disposed within said apertures to reciprocate

second base;

locking means [responsive] disposed within said apertures to reciprocate relative to said cylinder in response to a key inserted into said keyway to accommodate rotation of said plug relative to a cylinder surrounding said plug when the key while inserted into said keyway engages in a selected relation with said locking means and engaging the cylinder absent said selected relation;

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18 ~~CON~~ a second electrical conductor terminating with an electrical contact exposed
to an exterior of said first base through said [aperture] orifice;

19 an electronic logic circuit borne by said plug, coupled to receive electrical
20 power and data signals via said first and second electrical conductors, and generating control
21 signals in dependence upon said electrical power and data signals; and

22 an electrical operator disposed within one of said apertures, said operator
23 having a distal member radially reciprocating along an axis transverse to said longitudinal
24 axis, in dependence upon said control signals between a first position relative to said exterior
25 surface enabling said rotation of said plug in relation to said cylinder surrounding said plug
26 and a second and different position relative to said exterior surface obstructing in concert
27 with said locking means, said rotation of said plug in relation said cylinder.

1 11. (Amended) A lock, comprising:

2 a shell containing a hollow recess defining a longitudinal axis and an intenser
3 cylindrical surface;

4 a plug rotatable around said longitudinal axis while resident within said hollow
5 recess, a bar interposed between said shell and said plug to reciprocate generally along a radial plate
6 between a first position engaging both said shell and said plug while obstructing rotation of said
7 plug within said recess, and a second position accommodating said rotation; said plug comprising:

8 a first base bearing a keyway providing a first electrical conductor and an
9 orifice spaced-apart from and separated by a mass of said plug from said keyway;

10 a second base separated by an axial length of said plug from said first base,
11 said second base bearing means for supporting a cam;
12 an exterior surface extending between and engaging said first base and said
13 second base;
14 locking means responsive to a key inserted into said keyway to accommodate
15 reciprocation of said bar between said first position and said second position when the key
16 while inserted into said keyway engages in a selected relation with said locking means and
17 obstructing said reciprocation absent said selected relation;
18 a second electrical conductor terminating with an electrical contact exposed
19 to an exterior of said first base through said aperture orifice;
20 an electronic logic circuit coupled to receive electrical power and data signals
21 via said first and second electrical conductors, and generating control signals in dependence
22 upon said electrical power and data signals; and
23 an electrical operator having a distal member radially reciprocating along an
24 axis transverse to said longitudinal axis, in dependence upon said control signals between
25 a first orientation relative to said exterior surface enabling said reciprocation and a second
26 and different orientation relative to said exterior surface obstructing said
27 reciprocation.